

XX 30-MAR-2001; 2001WO-US08631.
PF 31-MAR-2000; 2000US-0540217.
XX 23-AUG-2000; 2000US-0649167.
XX (HYSE-) HYSEQ INC.
XX Drmanac RT, Liu C, Tang YT;
XX N-PSDB; AAS65989.
DR MPI: 2001-639362/73.
XX New isolated polynucleotide and encoded polypeptides, useful in
PT diagnostics, forensics, gene mapping, identification of mutations
PT responsible for genetic disorders or other traits and to assess
PT biodiversity -
XX Claim 20; SEQ ID NO 32162; 103pp; English.

CC The invention relates to isolated polynucleotide (I) and
CC polypeptide (II) sequences. (I) is useful as hybridisation probes,
CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome
CC and gene mapping, and in recombinant production of (II). The
CC polynucleotides are also used in diagnostics as expressed sequence tags
CC for identifying expressed genes. (I) is useful in gene therapy techniques
CC to restore normal activity of (II) or to treat disease states involving
CC (II). (II) is useful for generating antibodies against it, detecting or
CC quantitating a polypeptide in tissue, as molecular weight markers and as
CC a food supplement. (II) and its binding partners are useful in medical
CC imaging of sites expressing (II). (I) and (II) are useful for treating
CC disorders involving aberrant protein expression or biological activity.
CC The polypeptide and polynucleotide sequences have applications in
CC diagnostics, forensics, gene mapping, identification of mutations
CC responsible for genetic disorders or other traits to assess biodiversity
CC and to produce other types of data and products dependent on DNA and
CC amino acid sequences. ABG0010-ABG30377 represent novel human
CC diagnostic amino acid sequences of the invention.
CC Note: The sequence data for this patent did not appear in the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pct_sequences.

XX Sequence 160 AA;

SO Query Match 79.3%; Score 432; DB 22; Length 160;
Best Local Similarity 97.7%; Pred. No. 9.8e-48;
Matches 85; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 MWLMDGGLGPFPSLLVLLVTRSPVNACLTGLFVLLRVFSPEVPSCRALQVLE 60
DB 61 MWLMDGGLGPFPSLLVLLVTRSPVNACLTGLFVLLRVFSPEVPSCRALQVLE 60
DB 61 MWLMDGGLGPFPSLLVLLVTRSPVNACLTGLFVLLRVFSPEVPSCRALQVLE 60

OY 61 PRDRISAIAHRCGSSXAPENTLAIRO 87
DB 121 prdrisaiahrghshdapentlaairg 147

RESULT 4

ID ABG01802 standard; Protein; 320 AA.

AC ABG01802;

XX 13-FEB-2002 (first entry)

XX Novel human diagnostic protein #1793.

XX Human; chromosome mapping; gene mapping; gene therapy; forensic;
XX food supplement; medical imaging; diagnostic; genetic disorder.

OS Homo sapiens.
XX

PN W0200175067-A2.
XX 11-OCT-2001.
XX 30-MAR-2001; 2001WO-US08631.
XX 31-MAR-2000; 2000US-0540217.
XX 23-AUG-2000; 2000US-0649167.
XX (HYSE-) HYSEQ INC.
XX Drmanac RT, Liu C, Tang YT;
XX N-PSDB; AAS65989.
DR MPI: 2001-639362/73.
XX New isolated polynucleotide and encoded polypeptides, useful in
PT diagnostics, forensics, gene mapping, identification of mutations
PT responsible for genetic disorders or other traits and to assess
PT biodiversity -
XX Claim 20; SEQ ID NO 32161; 103pp; English.

CC The invention relates to isolated polynucleotide (I) and
CC polypeptide (II) sequences. (I) is useful as hybridisation probes,
CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome
CC and gene mapping, and in recombinant production of (II). The
CC polynucleotides are also used in diagnostics as expressed sequence tags
CC for identifying expressed genes. (I) is useful in gene therapy techniques
CC to restore normal activity of (II) or to treat disease states involving
CC (II). (II) is useful for generating antibodies against it, detecting or
CC quantitating a polypeptide in tissue, as molecular weight markers and as
CC a food supplement. (II) and its binding partners are useful in medical
CC imaging of sites expressing (II). (I) and (II) are useful for treating
CC disorders involving aberrant protein expression or biological activity.
CC The polypeptide and polynucleotide sequences have applications in
CC diagnostics, forensics, gene mapping, identification of mutations
CC responsible for genetic disorders or other traits to assess biodiversity
CC and to produce other types of data and products dependent on DNA and
CC amino acid sequences. ABG0010-ABG30377 represent novel human
CC diagnostic amino acid sequences of the invention.
CC Note: The sequence data for this patent did not appear in the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pct_sequences.

XX Sequence 320 AA;

SO Query Match 79.3%; Score 432; DB 22; Length 320;
Best Local Similarity 97.7%; Pred. No. 2.3e-47;
Matches 85; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 MWLMDGGLGPFPSLLVLLVTRSPVNACLTGLFVLLRVFSPEVPSCRALQVLE 60
DB 1 MWLMDGGLGPFPSLLVLLVTRSPVNACLTGLFVLLRVFSPEVPSCRALQVLE 60
DB 61 PRDRISAIAHRCGSSXAPENTLAIRO 87

OY 61 PRDRISAIAHRCGSSXAPENTLAIRO 87
DB 61 prdrisaiahrghshdapentlaairg 87

RESULT 5

ID AAY59685 standard; Protein; 331 AA.

AC AAY59685;

XX 18-JAN-2000 (first entry)

XX Secreted protein 108-003-5-0-E4-FL.

XX Secreted protein; fingerprint identification technique;
XX chromosome mapping; human; hereditary disease; diagnosis; cancer;
KW

hyperlipidaemia; cardiovascular; neurodegenerative disorder; therapy;
 autoimmune disease; rheumatic disease; embryogenic disorder; myopathy;
 renal injury; amino aciduria; hypoglycaemia; male rat infertility;
 hypertension.
 OS Homo sapiens.
 PN W09940189-A2.
 XX 12-AUG-1999.
 PD 09-FEB-1999; 99WO-1B00282.
 PF 09-FEB-1999; 98US-0074121.
 PR 09-FEB-1998; 98US-0074121.
 PR 13-APR-1998; 98US-0081563.
 PR 10-AUG-1998; 98US-0096116.
 PR 04-SEP-1998; 98US-0099273.
 XX (GEST) GENSET.

Bougueleret L, Duclet A, Dumas Milne Edwards J;
 DR WPI: 1999-600966/51.
 DR N-PSDB: AA240813.
 XX Extended CDNAs useful for expressing secreted proteins and to obtain
 PT specific antibodies -
 XX
 PS Claim 10; Page 203-204; 244pp; English.

This sequence represents a human secreted protein of the invention.
 CC The extended CDNAs (or genomic DNAs obtainable from them) may be used to
 CC prepare PCR primers and probes. These are useful for forensic matching or
 CC positive identification by DNA sequencing. They may also be used in
 CC alternative fingerprint identification techniques. Antibodies against the
 CC proteins encoded by the extended CDNAs are useful in identification of
 CC tissue types or cell species, as well as identifying tissue specific
 CC soluble proteins. The sequences can be used for chromosome mapping and
 CC identification of genes associated with hereditary diseases or drug
 CC response. Signal sequences from the CDNAs can be used in construction of
 CC secretion vectors. Other sequences derived from the extended CDNAs can be
 CC used to clone upstream genomic DNA sequences including promoters. This is
 CC in turn useful for identifying proteins that interact with promoter
 CC sequences. Some of the proteins may be useful in diagnosing and treating
 CC several disorders including, but not limited to: cancer, hyperlipidaemia,
 CC cardiovascular and neurodegenerative disorders, autoimmune diseases, and
 CC rheumatic diseases, embryogenic disorders, hypertension, renal injury,
 CC amino acidurias, hypoglycaemia, male rat infertility and myopathies.

Sequence 331 AA;

Query Match 79.3%; Score 432; DB 20; Length 331;
 Best Local Similarity 97.7%; Pred. No. 2.4e-47;
 Matches 85; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 MWLMEQGLGPFESFLVLLVTRSPVNACLTGSFLVLRFSPEPSCRALQVLR 60
 DB 1 mmlwedggllgpfesflvllvtrspvnaciltgslfvlrfsfepscralqvlr 60
 OY 61 PDRISAIARHSGSKXAPENTLAIRO 87
 DB 61 pdrisaiarhsgshndapentlaairq 87

RESULT 6
 AAB23608
 ID AAB23608 standard; Protein: 331 AA.
 AC AAB23608;
 XX
 DT 12-JAN-2001 (first entry)
 XX

DE Human secreted protein SEQ ID NO: 16.
 XX Human; secreted protein; cytokine; cell proliferation;
 KW nutritional supplement; immune modulation; autoimmune disorder;
 KW haematopoiesis regulation; tissue growth; haemostasis; inflammation.
 XX Homo sapiens.
 OS
 XX
 XX Key Location/Qualifiers
 FT Peptide 15..27
 FT /label= signal_peptide
 FT Protein 28..331
 FT /label= mature_protein
 PN W0200049134-A1.
 XX 24-AUG-2000.
 PD 18-FEB-2000; 2000WO-US04340.
 PF 19-FEB-1999; 99US-0120680.
 PR 23-APR-1999; 99US-0298733.
 PR 17-AUG-1999; 99US-0149639.
 PR 23-SEP-1999; 99US-0155686.
 PR 01-OCT-1999; 99US-0157247.
 PR 29-NOV-1999; 99US-0167822.
 PR 29-NOV-1999; 99US-0167823.
 PR 15-FEB-2000; 2000US-0298733.
 XX (ALPH-) ALPHAGEN INC.
 XX Valenzuela D, Yuan O, Hoffman H, Hall J, Rapplejo P;
 PI WPI: 2000-549267/50.
 DR N-PSDB: AAA93108.

New secreted proteins and polynucleotides encoding them, which are
 PT derived from Homo sapiens, useful for therapy, diagnosis, and research,
 PT as well as nutritional sources or supplements -
 XX
 XX Claim 25; Page 248-249; 309pp; English.

The present sequence is the sequence of a human secreted protein. Its
 CC cDNA was isolated from a foetal brain cDNA library. The proteins
 CC and coding sequences of the invention can be used in the isolation of
 CC similar genes and proteins, in the elucidation of their function in vivo,
 CC and to treat a number of conditions. It is possible that they may have
 CC uses as nutritional supplements, as cytokine or cell proliferation
 CC factors, in immune modulation, where they may be used to treat immune and
 CC autoimmune diseases, as haematopoiesis regulators (treating myeloid or
 CC lymphoid cell deficiencies), in the promotion of tissue growth, they may
 CC have chemokine or chemotactic activity, haemostatic or thrombolytic
 CC activity, or anti-inflammatory activity.

Sequence 331 AA;

Query Match 79.3%; Score 432; DB 21; Length 331;
 Best Local Similarity 97.7%; Pred. No. 2.4e-47;
 Matches 85; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 MWLMEQGLGPFESFLVLLVTRSPVNACLTGSFLVLRFSPEPSCRALQVLR 60
 DB 1 mmlwedggllgpfesflvllvtrspvnaciltgslfvlrfsfepscralqvlr 60
 OY 61 PDRISAIARHSGSKXAPENTLAIRO 87
 DB 61 pdrisaiarhsgshndapentlaairq 87

RESULT 7
 AAY71105
 ID AAY71105 standard; Protein: 331 AA.